

sitting side, said filling member including at least three separate grooves each extending over a limited surface area of the filling member on the sitting side;

a cover member encircling the filling member;

B1  
an air vent provided in the filling member and extending from adjacent the non-  
sitting side of the sitting portion towards the sitting side of the sitting portion, one end of  
said air vent opening toward the sitting side and communicating with said at least three  
grooves; and

a temperature controlled air producing device for producing temperature controlled  
air and directing the temperature controlled air into an opposite end of the air vent, with  
the temperature controlled air being directed through the air vent and into said at least three  
separate grooves to provide temperature controlled air to a seated individual in contact with  
the sitting side of the sitting portion.

17. The seat apparatus according to Claim 16, wherein said at least three grooves  
are located in areas to which high pressures are applied by an individual seated on the  
sitting portion.

B2  
20. The seat apparatus according to Claim 18, wherein said temperature controlled  
air producing device includes a peltier element communicated with the air vent that is in  
communication with said at least three grooves of the filling member of the seat cushion.

*SAC*  
*B3*

21. A seat apparatus for directing temperature controlled air to an individual seated on the seat apparatus, comprising:

a seat cushion that includes a filling member, said seat cushion possessing a sitting side adapted to face towards an individual seated on the seat cushion and a non-sitting side;

a seat back that includes a filling member, the seat back possessing a sitting side adapted to face towards an individual seated on the seat back and a non-sitting side;

a plurality of spaced apart grooves each extending over a limited surface area of the filling member of at least one of the seat cushion and the seat back, each of said plurality of spaced apart grooves opening in a direction towards the sitting side of said at least one of the seat cushion and the seat back;

a cover member encircling the filling member of at least one of the seat cushion and the seat back;

an air vent having one end communicated with said plurality of spaced apart grooves such that said plurality of grooves branch from said one end of the air vent;

a fan communicating with an opposite end of the air vent to direct air towards the air vent such that the air is fed into the air vent and is directed by way of said plurality of spaced apart grooves to selected portions of an individual in contact with the sitting side of said at least one of the seat cushion and the seat back; and

an air temperature controlling device positioned between the fan and the air vent to control a temperature of the air directed to the air vent and into said plurality of spaced

*B3*  
apart grooves to provide temperature controlled air to the selected portions of an individual  
in contact with the sitting side of said at least one of the seat cushion and the seat back.

*B4*  
22. The seat apparatus according to Claim 21, wherein the plurality of spaced  
apart grooves includes at least three spaced apart grooves each extending over a limited  
surface area of the filling member of said seat cushion, said air vent being a single air vent  
constituting the only air vent in the filling member of the seat cushion so that all air from  
the fan is fed into the single air vent and is directed into each of said at least three grooves.

23. The seat apparatus according to Claim 21, wherein said plurality of grooves  
are provided in the filling member of the seat cushion, and including at least one groove  
extending over a limited surface area of the filling member of the seat back.

*B5*  
25. The seat apparatus according to Claim 21, wherein the cover member  
encircles the filling member of the seat cushion, and including another cover member that  
encircles the filling member of the seat back and a mesh member provided between the  
another cover member and the filling member of the seat back.

26. A seat apparatus for directing temperature controlled air to an individual

*B5* *SMP*  
seated on the seat apparatus, comprising:  
a seat cushion possessing a sitting side adapted to face towards a seated individual  
and a non-sitting side;

a seat back possessing a sitting side adapted to face towards a seated individual and  
a non-sitting side;

at least one of the seat cushion and the seat back including a filling member;

a plurality of spaced apart grooves each extending over a limited surface area of the  
filling member and opening in a direction towards the sitting side of the at least one of the  
seat cushion and the seat back, each of said plurality of spaced apart grooves extending to  
selected portions of the filling member;

a cover member encircling the filling member;

an air vent having one end communicated with the plurality of spaced apart grooves  
such said plurality of spaced apart grooves branch from said one end of the air vent;

a peltier element communicating with an opposite end of the air vent to control a  
temperature of air fed to the air vent and directed by way of said plurality of grooves to  
said selected portions of the filling member to provide temperature controlled air to an  
individual seated on said at least one of the seat cushion and the seat back.

*B6*  
27. The seat apparatus according to Claim 26, wherein the air vent in the filling member is a single air vent constituting the only air vent in the filling member, each of the plurality of spaced apart grooves communicating with the single air vent.

28. The seat apparatus according to Claim 27, wherein each of the grooves has an end located at the one end of the single air vent.

*SAC*  
*SP7*  
34. The seat apparatus according to Claim 26, wherein each of the plurality of grooves includes side walls and a bottom wall.

*BB*  
*Kindly add the following new Claims 35-37.*

35. The seat apparatus according to Claim 16, wherein said air vent is a single air vent constituting the only air vent in the filling member so that all temperature controlled air produced by the temperature controlled air producing device is directed through the single air vent.

*BB*  
*36. The seat apparatus according to Claim 21, wherein said plurality of grooves are located in areas to which high pressures are applied by an individual seated on the sitting portion.*

*B8*

37. The seat apparatus according to Claim 26, wherein said plurality of grooves  
are located in areas to which high pressures are applied by an individual seated on the  
sitting portion.